



Application Recommendations

Application/ Concerns	Articles Cleaned/ Soil Removed	Cleaning Method	Recommended Detergent
Laboratory Reproducible results, no interfering residues, extending equipment life. Keep laboratory accreditation. Laboratory safety.	Glass, metal, plastic labware, ceramics, tissue culture, porcelain, clean rooms, animal cages, bioreactors, tubing, benches, safety equipment.	Manual, Ultrasonic, Soak, C-I-P	Alconox, Liquinox
		Machine, power spray, lab washer, washer-sterilizer, cage washers	Alcojet, Luminox, Det-O-Jet
	Tubes, reusable pipets.	Syphon-type washer-rinsers,	Alcotabs
	Water & environmental sampling. Phosphate sensitive labware. EPA procedures.	Manual, Ultrasonic, Soak, C-I-P	Liqui-Nox
		Machine washer, labware washer	Detergent 8, Luminox
	Radioactive equipment/ contaminants, Stopcock grease.	Manual, Ultrasonic, Soak, C-I-P	Alconox
		Machine Washer, labwasher	Alcojet
	Trace metals, metal oxides, scale.	Manual, Ultrasonic, Soak, C-I-P	Citranox
		Machine washer, warewasher	Citrajet
	Proteinaceous soils, bio-wastes, tissue, blood and other body fluids, fermentation residues.	Manual, Ultrasonic, Soak, C-I-P	Terg-A-Zyme
Glassware washer		Alcojet, Det-O-Jet	
Environmental No interfering residues. Phosphate free.	Bailers, samplers, augers, containers, tubing, teflon, glass, rubber, stainless steel.	Manual, Ultrasonic, Soak, C-I-P	Liqui-Nox, Detergent 8
		Machine wash, pressure spray	Detergent 8, Luminox

ALCONOX DETERGENTS

NOTE: pH values given are for solutions at their recommended dilutions.

Alcojet *Low Foaming Powdered Detergent*

Nonionic, low foaming cleaner for use in labware washers, parts washers, power-spray systems, manual and ultrasonic cleaning. Corrosion inhibited formula recommended for glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass. Free rinsing for reliable results and no interfering residues. Dilute 1:200, pH = 12.

Size	NCL #	Price/ea	Price/cs
4 lb	D-309	23.95	204.30/9
25 lb	D-309A	143.45	N/A

Alconox *Powdered Precision Cleaner*

Concentrated, anionic detergent for manual and ultrasonic cleaning. Free rinsing to give you reliable results without interfering residues. Ideal for cleaning contaminants from glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass. Excellent replacement for corrosive acids and hazardous solvents. Note: We do NOT recommend Alconox for washing labware used for BOD or Phosphorus testing. Dilute 1:100, pH = 9.5.

Size	NCL #	Price/ea	Price/cs
4 lb	D-305	24.80	211.50/9
25 lb	D-305A	150.10	N/A

Alcotabs *Critical Cleaning Detergent Tablets*

Effervescent detergent tablet for maximum cleaning in syphon pipette washers to clean pipets and tubes. Slow release bubble action and free rinsing produce reliable results and no interfering residues. 100 tablets per bottle. pH = 6.5.

NCL #	Price/ea	Price/cs
D-310	18.50	105.30/6

Citrajjet *Low Foaming Liquid Acid Cleaner*

Low foaming, phosphate-free, concentrated, liquid cleaner and metal brightener for high performance removal of metal oxides, scale, salts and inorganic residues in labware washers, parts washers, power-spray systems and manual and ultrasonic cleaning. Corrosive inhibited and free rinsing leaving no interfering residues. Ideal for acid washing and rinsing. Dilute 2:100, pH = 2.5.

Size	NCL #	Price/ea	Price/cs
1 gal	D-318	40.40	153.00/4

Citranox *Liquid Acid Cleaner and Detergent*

Phosphate free, concentrated cleaner and metal brightener for high performance removal of metal oxides, scale, salts and inorganic residues in manual and ultrasonic cleaning. Corrosion inhibited and free rinsing for reliable results and no interfering residues. Ideal for trace metal analysis. Dilute 2:100, pH = 2.5.

Size	NCL #	Price/ea	Price/cs
1 gal	D-308	42.00	156.60/4

Detergent 8 *Low Foaming Phosphate-Free Detergent*

Nonionic, concentrated detergent for labware washers, PC board washers, power-spray systems, ultrasonic cleaning systems and manual cleaning. Specially formulated to remove oils, resins, rosin, and fluxes from printed circuit boards, electronic parts, phosphate sensitive labware and nuclear contaminated equipment with no interfering conductive residues. Excellent replacement for solvent cleaning. Dilute 3:100, pH = 11.

Size	NCL #	Price/ea	Price/cs
1 gal	D-314	71.50	268.20/4



ALCONOX DETERGENTS

NOTE: pH values given are for solutions at their recommended dilutions.

Det-O-Jet *Low Foaming Liquid Detergent*

Low foaming, heavy-duty alkaline detergent for use in labware washers, parts washers, power-spray systems, and ultrasonic cleaning systems. Concentrated, highly emulsifying and penetrating formula is free rinsing, and leaves no interfering residues. Protects interior working parts of washers.

Dilute 1:200, pH = 12.4.

Size	NCL #	Price/ea	Price/cs
1 qt	D-315	10.60	120.60/12

Luminox *Low Foaming Neutral Cleaner*

Low foaming, phosphate-free, neutral pH detergent for use in manual, ultrasonic, and machine cleaning. Safe-handling detergent used for non-corrosive cleaning without chelation or alkalinity waste treatment problems. Recommended for aluminum and soft metal surface preparation, medical devices, pharmaceutical process equipment, alkaline sensitive lab and glassware, and medical instruments in aluminum trays. Free rinsing, eliminating interfering conductive residues.

Excellent replacement for solvent cleaning. Dilute 3:100, pH = 7.

Size	NCL #	Price/ea	Price/cs
1 gallon	D-316	50.80	192.60/4

Liquinox *Critical Cleaning Liquid Detergent*

Concentrated, anionic detergent for manual and ultrasonic cleaning. Free rinsing to give you reliable results without interfering residues. Extremely mild and completely soluble in hard and soft water.

Dilute 1:100, pH = 8.5.

Size	NCL #	Price/ea	Price/cs
1 gallon	D-306	47.75	180.90/4
1 qt	D-306A	13.70	155.70/12

Terg-A-Zyme *Enzyme Active Powdered Detergent*

Concentrated, anionic detergent with protease enzyme for manual and ultrasonic cleaning. Excellent for removal of proteinaceous soils, tissue, blood, and body fluids from glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass with no interfering residues. Ideal as a cleaning agent in Reverse Osmosis and Ultra-Filtration Systems. Dilute 1:100, pH = 9.5.

Size	NCL #	Price/ea	Price/cs
4 lb	D-317	26.90	229.50/9

Solujet *Phosphate-Free Liquid Detergent for use in Dishwashers*

Low-foaming phosphate-free liquid that's great for labware washers. Corrosion-inhibited formula. pH = 12.2.

Size	NCL #	Price/ea	Price/cs
1 gal	D-301	43.00	171.95/4

Terg-A-Jet *Phosphate-Free Powdered Detergent for use in Dishwashers*

Low-foaming phosphate-free powdered cleaner that's great for labware washers. Corrosion-inhibited formula. Dilute 1:200. pH = 12.0.

Size	NCL #	Price/ea	Price/cs
4 lb	D-304	27.35	233.10/9

NCL LAB GLASS CLEANER

Powdered detergent for hand washing of labware or use in automatic dishwashers. Low foaming. Contains no phosphates and no chlorine. Recommended for BOD bottles and glassware. This concentrated product was formulated specially for NCL and contains NO FILLERS. Use 1 teaspoon per load in automatic dishwasher. Use 1/2 teaspoon or less per sink for handwashing of labware. Wear rubber gloves. This stuff is STRONG. If streaking occurs, reduce the amount of detergent next time.



DN-300 Prices	
1 lb.	5.00
10 lb.	29.50
100 lb.	195.00



LABCONCO DETERGENTS

LABSOLUTIONS NEUTRALIZING ACID RINSE

Specially formulated for Labconco SteamScrubbers and Flaskscrubbers. Mild acid corrects pH-reducing alkaline detergent residue. Removes hard water deposits. No more mineral deposits, accumulated salts or lime scale that can cloud glassware. Rinses completely.

LD-45222 **21.25/liter**



LABSOLUTIONS NON-FOAMING POWDER REAGENT

Specially formulated for Labconco Steamscrubbers and Flaskscrubbers. Removes most lab contaminants from grease and agar to blood and protein digestates. Rinses completely. Non-foaming formula does not promote leaks. Includes scoop for accurate measurement. Economical. Most cycle programs require just one scoop. Sold in 10 lb pails.

A 1% solution has a pH of approximately 12.5.

LD-44220 **108.00/ea**

LABSOLUTIONS LOW-FOAMING LIQUID DETERGENT

Specially formulated for Labconco Steamscrubbers and Flaskscrubbers. Removes a wide range of laboratory contaminants. Rinses completely. Non-corrosive formula won't degrade stainless steel, glass or plastic. Phosphate-free for environmentally safe disposal. Chlorine-free and tissue culture-safe. Temperature stable. Use in hot or cold water.

LD-45220 **107.00/gal**

